
जांच, कर्ण, जोबसन हॉर्न
के पैटर्न — विशिष्टि

(पहला पुनरीक्षण)

Probe, Aural, Jobson Horne's
Pattern — Specification

(First Revision)

ICS 11.040.30

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भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुरशाह ज़फर मार्ग, नई दिल्ली – 110002
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI-110002
www.bis.gov.in www.standardsbis.in

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Ear, Nose and Throat Surgery Instruments Sectional Committee and approval of the Medical Equipment and Hospital Planning Division Council.

This standard was first published in 1966. The first revision has been taken up to update it with development taken place in the field. All the amendments issued so far have been incorporated in this revision.

This Indian Standard is one of a series on surgical instruments. This standard has been prepared based on indigenous manufacturers' data/practices prevalent in the field in India.

The composition of the committee responsible for the formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'.

Indian Standard

PROBE, AURAL, JOBSON HORNE'S PATTERN — SPECIFICATION

(First Revision)

1 SCOPE

This standard covers the requirements of Aural Probe, Jobson Home's Pattern used in ENT work.

2 REFERENCES

The Indian Standards given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of these standards.

IS No.	Title
1501 (Part 1) : 2013	Metallic materials — Vickers hardness test: Part 1 Test method (<i>fourth revision</i>)
1570 (Part 5) : 1985	Schedules for wrought steels: Part 5 Stainless and heat-resisting steels (<i>second revision</i>)
3642 (Part 1) : 1990	Surgical instruments — Specification: Part 1 Non-cutting, articulated instruments (<i>second revision</i>)

IS No.

7531 : 1990

Title

Surgical instruments — Corrosion resistance of stainless steel surgical instruments — Methods of tests (*first revision*)

3 MATERIAL

The probe shall be made from stainless steel conforming to designation 30Cr13 of IS 1570 (Part 5).

4 SHAPE AND DIMENSIONS

4.1 The shape and dimensions shall conform to Fig. 1. Shape shall be hexagonal at centre rather than round.

4.2 Tolerances on dimensions where not specified shall conform to IS 3642 (Part 1).

5 MANUFACTURE, WORKMANSHIP AND FINISH

The probe shall be forged in one piece to give the required shape. The loop of the probe shall be round and free from sharp edges. The other end shall be made flat and with serrations and shall be capable of holding cotton wool. The instrument shall be well balanced on its centre line. It shall be passivated and polished bright, free from pits, spots, burrs and other surface defects.

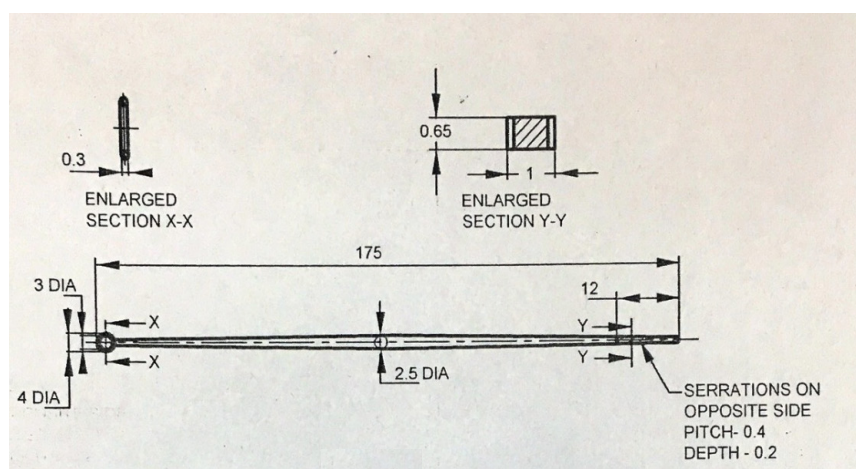


FIG. 1 PROBE, AURAL, JOBSON HORNE'S PATTERN

6 HEAT TREATMENT

The probe shall be hardened and tempered to a Vickers hardness of 430 to 490 HV of the finished instrument when tested in accordance with IS 1501 (Part 1).

7 TESTS

7.1 Flexibility Test

The probe shall be fixed in the vice so that 75 mm of length protrudes outside the vice. By the application of a force at the free end, the probe shall be deflected by 10 mm as measured at the end in the horizontal plane. On completion of the test the probe shall show no permanent set or damage. The whole test shall be repeated at the other end.

7.2 The probe shall be clamped in the vice in such a manner that the long axis of the probe is vertical and the loop is downward. A load of 200 g shall be suspended through a chord in the loop. The loop shall not show any sign of damage or permanent set after the completion of the test.

7.3 Corrosion Resistance

The instrument shall satisfy the boiling and autoclaving test as specified in IS 7531.

8 MARKING

8.1 Each probe shall be legibly and indelibly marked with the manufacturer's name, initials or trade-mark and country of manufacture.

8.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.

9 PACKING

Each probe shall be wrapped in wax paper and six such pieces shall be packed in polyethylene bag or cardboard box.

ANNEX A*(Foreword)***COMMITTEE COMPOSITION**

Ear, Nose and Throat Surgery Instruments Sectional Committee, MHD 04

<i>Organization</i>	<i>Representative(s)</i>
All India Institute of Medical Sciences, New Delhi (Others)	DR RAKESH KUMAR (Chairman)
Ali Yavar Jung National Institute for The Hearing Handicapped, Mumbai (Others)	DR RAJEEV RAMKRISHNA JALVI SHRIMATI ALKA SAPRU JOSHI (<i>Alternate</i>)
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MGM Medical College & Associated M Y Group of Hospitals, Indore (Others)	DR (PROF) Y. K. MARU
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Office of Development Commissioner, (MSME), New Delhi (Government)	SHRI SANJEEV CHAWLA SHRI KANWALINDER SINGH SODHI (<i>Alternate</i>)
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Postgraduate Institute of Medical Education & Research, Chandigarh (Others)	PROF ASHOK KUMAR GUPTA DR JAIMANTI BAKSHI (<i>Alternate</i>)
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MS GURPREET KAUR BHOMBRA
SCIENTIST 'B' (MHD), BIS

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002

Telephones: 2323 0131, 2323 3375, 2323 9402

Website: www.bis.gov.in

Regional Offices:

Telephones

Central	: Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	{ 2323 7617 2323 3841
Eastern	: 1/14 C.I.T. Scheme VII M, V.I.P. Road, Kankurgachi KOLKATA 700054	{ 2337 8499, 2337 8561 2337 8626, 2337 9120
Northern	: Plot No. 4-A, Sector 27-B, Madhya Marg CHANDIGARH 160019	{ 265 0206 265 0290
Southern	: C.I.T. Campus, IV Cross Road, CHENNAI 600113	{ 2254 1216, 2254 1442 2254 2519, 2254 2315
Western	: Manakalaya, E9 MIDC, Marol, Andheri (East) MUMBAI 400093	{ 2832 9295, 2832 7858 2832 7891, 2832 7892

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